| Index of C | laims |
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| Application No. | Applicant(s)   |    |
|-----------------|----------------|----|
| 10/057,317      | HOPKINSON ET A | L. |
| Examiner        | Art Unit       |    |
| Zeev Kitov      | 2836           |    |

|            | 1            | R  | eje  | cte                     | d            |           | (Through numeral) Cancelled N Non-Elected |          |      |               |          |  |          |                |              | ed           |              | A Appeal  |         |      |            |          |            |          |          |                         |                    |           |          |                |              |
|------------|--------------|--|--|-------------------------|--------------|-----------|---|----------|------|---------------|----------|--|----------|----------------|--------------|--------------|--------------|-----------|---------|------|------------|----------|------------|----------|----------|-------------------------|--------------------|-----------|----------|----------------|--------------|
|            | = 20         | 1  | llo  | ve                      | d            |           | ÷   |          |      | Re            | estri    | cte  | d        |                |              |              | ı            | In        | terf    | ere  | enc        | ce       |            | О        |          | Ob                      | ojec               | ted       | i<br>—   |                |              |
| Claim      | 10           |  |  |                         | ate          |           |   | _        | 151  | Cli           | aim      | Т  |          |                |              | Date         | _            |           |         |      |            | CI       | aim        |          |          |                         |                    | ate       | —        |                |              |
|            | 1            | 1  | П  | Ī                       | T            | $\Box$    |   |          | 1    |               | Г        | ✝  |          | Γ              | Π            |              | Ī            | Т         |         | - 1  | -          | - 01     | T          | НΤ       | Т        | Т                       | Ť                  | T         | $\top$   | Τ-             | Τ            |
| Final      | 121041       |  |  |                         |              |           |   |          |      | Final         | Original |  |          |                |              |              |              | į         |         |      | 11 X       | Fina     | Original   |          |          |                         |                    | ļ         |          |                | :            |
| (T)        | ١V           |  |  |                         |              |           |   |          |      |               | 51       | T  |          | 1              |              | $\exists$    | $\dashv$     | $\forall$ | +       |      | -          |          | 101        | $\vdash$ | $\pm$    | +                       | - -                | +         | +        | +-             | +            |
| 2*         | 1            | <u> </u>   |  | $\perp$                 |              | $\perp$   |   |          | 4.1  |               | 52       |  |          |                |              |              |              |           |         | ]    |            |          | 102        |          | $\top$   |                         | 十                  | T         | +        |                | †            |
| 3          | Н            | <b> </b>   | Ш  | _                       | _            | $\perp$   | $\bot$                                    | _        |      |               | 53       | <u> </u>   | _        | $\sqcup$       |              |              | _            | $\perp$   |         |      |            |          | 103        |          |          |                         |                    |           | I        | T              |              |
| 5          | ╁            | -  | Н  | -+                      | _            | +-        | +   | _        |      |               | 54       |  | <u> </u> | -              |              | _            | _            | 4         |         | - K  |            |          | 104        |          |          | _ _                     | _                  |           |          |                |              |
| 6          | ╫            | -  | $\vdash$   | -                       | +            | +         | +   | -        |      |               | 55<br>56 | -  |          | -              | -            | -            | -            | +         |         | -    | -          |          | 105        | _        | $\dashv$ | - -                     | $\bot$             | $\bot$    | 4        | 4              | ┸            |
| 7          | +            | $\vdash$   | <del>                                     </del> | $\dashv$                |              | +-        | $\vdash$                                  | $\dashv$ |      |               | 57       | <del>                                     </del> | -        | $\vdash$       |              |              | $\dashv$     | +         |         | - 1  | ŀ          |          | 106        | $\dashv$ | +        | +                       | +                  | +         | +        | +              | ┼            |
| 8          | #            | <del>                                     </del> | $\vdash$   | +                       | +            | +         | $\vdash$                                  | -        |      | <b>-</b> -    | 58       | -  | -        | $\vdash$       |              | $\dashv$     | $\dashv$     | +         | +       |      | -          | _        | 107<br>108 | -        | +        | +                       | +                  |           |          | +              | +-           |
| 9          | 11           |  |  | $\dashv$                | +            | +         | +   | -        |      |               | 59       | _  | -        | H              | $\vdash$     | $\dashv$     | +            | -+        | +       | -    | -          |          | 108        | +        | +        | +                       | +                  | +         | +        | +              | +            |
| 10         | 11           |  | $\sqcap$   | $\dashv$                |              | +         | $\sqcap$                                  | $\neg$   | 17   |               | 60       | -  | -        | $\vdash$       | $\dashv$     | $\dashv$     | $\dashv$     | +         | +       |      | 1          |          | 110        | $\dashv$ | +        | +                       | +                  | +         | +        | +              | +            |
| 11         |              |  |  |                         | ╛            | Τ         |   | $\neg$   | -    |               | 61       | $\Box$   |          | Н              | $\dashv$     | _            | $\dashv$     | +         | _       | 7    | -          |          | 111        | $\dashv$ | +        | +                       | +                  | +         | +        | +-             | $\vdash$     |
| 12         |              |  |  |                         |              |           |   | $\neg$   | N.   |               | 62       |  |          | П              | $\exists$    |              |              | $\top$    |         | 3    |            |          | 112        | _        | $\dashv$ | +                       | +-                 | +         | +        | +-             | ╁╴           |
| 13         | $\coprod$    |  |  |                         |              |           | $\Box$                                    |          | 100  |               | 63       |  |          |                |              |              |              |           | _       | 123  | 3          |          | 113        | 十        | $\top$   |                         | +                  | $\dagger$ | +        | -              | $\vdash$     |
| <b>Q</b> 4 | <b>}</b>     | L  |  | _ .                     |              |           |   | _        |      |               | 64       |  |          |                |              |              |              |           |         |      |            |          | 114        |          | 1        | 1                       | $\top$             | _         | +        | †              | ✝            |
| 15         |              | _  |  | _                       |              |           |   | _        |      |               | 65       |  |          |                |              |              |              |           |         |      |            |          | 115        | $\neg$   | 十        |                         | 1                  | $\top$    | T        | 1              | T            |
| 16         | Щ.           | _  | _  | 4                       | _            | 4_        |   |          | 5.   |               | 66       |  |          |                |              | $\Box$       | $\perp$      |           |         |      | 3          |          | 116        |          |          |                         | 7                  | T         | T        | 1              |              |
| 17         | #            | _  |  | _                       | _            | 4_        | $\sqcup$                                  |          | À    |               | 67       | Ш  |          |                | _            | _            | $\perp$      |           |         |      |            |          | 117        |          |          |                         |                    |           | T        | 1              | 1            |
| 18         | H            |  | _  | 4                       | -            |           | $\vdash \vdash$                           | _        |      |               | 68       | Щ  |          | Ш              | 4            |              | 4            |           |         |      |            |          | 118        |          |          |                         |                    |           | floor    |                | $\Gamma$     |
| 19<br>20   | #            | _  | $\dashv$   | +                       | -            |           | $\vdash$                                  |          |      |               | 69       |  | _        |                | _            | _            | _            | _         |         | _    |            |          | 119        | $\perp$  | $\perp$  |                         |                    | L         | $\perp$  |                |              |
| 21         | +-           |  | +  | -+                      | $\dashv$     | +         | 1   |          |      | -             | 70       | Н  | _        |                | _            | 4            | 4            | 4.        |         |      |            | _        | 120        | _ .      | 丄        | $\perp$                 |                    | $\perp$   | L        |                |              |
| 22         | +            |  | -+   | +                       |              | +-        | $\vdash$                                  | $\dashv$ |      |               | 71       | $\vdash$   |          |                | 4            | $\downarrow$ | _            | 4.        |         | 1.5  | Î.         |          | 121        | $\perp$  | $\perp$  | _                       | $\perp$            | ┸         | $\perp$  | _              | L            |
| 23         | ╁┼           | -  | $\dashv$   |                         | -            | ╁         | ╁   | - 1      |      |               | 72<br>73 |  | -        | Н              |              | +            | +            | -         | -       | - E  | 1          | _        | 122        | _        | _ _      | $\perp$                 | 4                  |           | ╀        | ↓_             | L            |
| 24         | +            | -  | $\dashv$   | +                       | -            | +         |   | $\dashv$ | 2    |               | 74       |  | $\dashv$ |                | -            | +            | $\dashv$     |           |         | Tim. | <u>.</u> — | _        | 123        |          | _        | 4                       | $\bot$             | -         | 丰        | ╄              | L            |
| 25         | +            |  | $\dashv$   | +                       | +-           | ╁         | $\vdash$                                  |          |      |               | 75       | $\vdash$   |          | H              | $\dashv$     | +            | $\dashv$     | +         | +       | 133  | -          | -        | 124<br>125 | $\dashv$ | +        |                         | +-                 | +-        | ┼        | -              | ļ            |
| 26         | #            |  | $\dashv$   |                         | +            | -         | +   | -        |      |               | 76       | $\vdash$   | $\dashv$ | -              |              |              |              |           | +       | -    | -          | -        | 126        | - -      | - -      | +                       | +                  | ╀         | +        | +              | <u></u>      |
| 27         | V,           |  | _  | #                       | +            | _         |   |          | 33   |               | 77       | $\dashv$   |          | - +            | $\dashv$     | <u> </u>     |              | +         | +       | 4    | -          | $\dashv$ | 127        | -        | +        | +                       | +                  | ╀         | ╀        | +              | -            |
| 28         | V            |  | $\neg$   | 十                       |              |           |   | _        | 1    |               | 78       | $\vdash$   | _        |                | +            | +            | 十            | ╅         | +       |      | $\vdash$   |          | 128        | +        | +        | ╁                       | +                  |           | ╁        | ╀              | -            |
| 29         |              |  |  | $\dashv$                |              | 1         |   |          |      |               | 79       | ╗  |          | T t            | $\dashv$     | +            | _            | +         | +-      | 1    | $\vdash$   |          | 129        | $\dashv$ | ╁        | ╁                       | ╁                  | +-        | +        | ╁              | ├            |
| 30         |              |  |  |                         |              |           |   |          |      |               | 80       |  |          | $\neg$         | $\neg$       | +            | 7            | 十         |         | 1    |            | 1        | 130        |          | - -      | +                       | +-                 | +         | +        | $\vdash$       | ⊢            |
| 31         |              |  | $\Box$   | I                       |              |           |   |          | 1    |               | 81       |  | $\neg$   | $\dashv$       | $\dashv$     | $\neg$       | $\top$       | $\top$    |         |      |            | _        | 131        | _        | +        | +-                      | +                  | +         | +-       | +              |              |
| 32         | $oxed{\Box}$ | _]   | $\Box$   | $oldsymbol{\mathbb{I}}$ |              |           |   |          |      |               | 82       |  |          |                | $\Box$       |              |              | $\top$    | 1       | 1    | $\vdash$   |          | 132        | _ -      | +        | +                       | +                  | +         | 1        | 1-             | <del> </del> |
| 33         | Ш            | _  | $\perp$  | _                       |              | $\sqcup$  | $\Box$                                    |          |      |               | 83       |  |          |                |              |              |              |           | $\top$  | ]    | 1          | _        | 133        |          | 1        | $\top$                  | $\top$             | $\top$    | T        | 1              | 1            |
| 34         | $\vdash$     | _  | _  | 1                       | _            | $\sqcup$  | $\sqcup$                                  | <u> </u> |      |               | 84       | $\Box$   |          | $ \mathbb{I} $ | $oxed{\bot}$ | $\Box$       | $\Box\Gamma$ |           |         | ]    |            |          | 134        |          |          |                         | $\top$             | $\top$    | T        | T              |              |
| 35         | $\vdash$     | _  | -  | +                       | +            | _         | $\sqcup$                                  | -        |      |               | 85       |  |          | $\perp$        | $\perp$      | $\perp$      |              |           | Į.      | ] -  |            |          | 135        |          | $\perp$  | $oldsymbol{\mathbb{L}}$ | $oxed{\mathbb{L}}$ | Ι         | $\Gamma$ | $\Gamma$       |              |
| 36<br>37   | $\vdash$     | -  | +  | +                       | - -          | +         | $\dashv$                                  | _        | -    |               | 86       | $\dashv$   | $\dashv$ | _              | _            | $\perp$      | $\perp$      | $\perp$   | $\perp$ | Į :  | L          | _[       | 136        |          |          |                         |                    |           | $\Box$   | $\Box$         |              |
| 38         | +            | $\dashv$   | +  |                         |              | +         | -   | 4        |      | $\dashv$      | 87       |  | $\dashv$ | -              | $\dashv$     | +            | 4            | $\perp$   | $\perp$ | 1    | $\vdash$   | _        | 137        | $\perp$  | 1        | $\perp$                 | $\perp$            | _         | $\perp$  |                |              |
| 39         | $\vdash$     | $\dashv$   | +  | +                       |              | $\vdash$  |   | -        |      | -+            | 88<br>89 | $\dashv$   | $\dashv$ | -              | -            |              | +            | - -       | 4-      |      | _          |          | 138        | $\bot$   | $\bot$   | $\perp$                 | 1_                 | 1_        | 1        |                |              |
| 40         | $\vdash$     | $\dashv$   | +  | +                       | +            | +         | +   | $\dashv$ | 1    | $\rightarrow$ | 90       | +  | $\dashv$ | +              | +            | - -          |              | +         | +       |      | -          | $\dashv$ | 139        | +        | +        | +-                      | +                  | $\perp$   | ₩        | <del>  -</del> | L.           |
| 41         | $\vdash$     | $\dashv$   | +  | +                       | +-           | +         | $\dashv$                                  | $\dashv$ | 1    | -+            | 91       | $\dashv$   | -        | $\dashv$       | +            | +            |              | +         | +       | 1    | -          | $\dashv$ | 140        | +        | +        | +                       | +                  | $\vdash$  | ┼        | $\vdash$       | L.           |
| 42         | $\vdash$     | $\dashv$   | +  | +                       | +            | +         | +   | ┨.       | .  - | $\dashv$      | 92       | $\dashv$   | $\dashv$ | +              | $\dashv$     | - -          | -            | ╌         | +       | 1    | $\vdash$   |          | 141<br>142 |          | +-       | ╁                       | +                  | +-        |          | $\vdash$       | $\sqcup$     |
| 43         | П            | _  | $\top$   | 十                       | +            | $\dagger$ | $\dashv$                                  | 7        | F    |               | 93       | $\dashv$   | $\dashv$ | $\dashv$       | +            | +            | +            | +         | +-      | 1    | -          |          | 143        | +        | +-       | +                       | +                  | +         | $\vdash$ |                | $\Box$       |
| 44         | П            |  | 十  | $\top$                  | 1            | -         | $\top$                                    | 7        |      |               | 94       | $\dashv$   | $\dashv$ | _              | +            | +            | +            | +         | +-      |      | $\vdash$   |          | 144        | - -      | +-       | +                       | +                  | +         | $\vdash$ | $\vdash$       | $\dashv$     |
| 45         |              | $\dashv$   | $\top$   | 1                       | $\top$       | $\sqcap$  | _   | 1        | +    |               | 95       | $\top$   | $\dashv$ | $\dashv$       | +            | +            | +            | +-        | +       |      | -          |          | 145        | +        | +        | +                       | +                  | +         | -        | $\vdash$       | {            |
| 46         |              |  |  |                         |              | $\Box$    | +   | -        |      |               | 96       | _  | 7        | _              | +            | +            | +            | +         | +       |      | -          |          | 146        | +        | +        | +-                      | +-                 | +-        | $\vdash$ | $\vdash$       | $\dashv$     |
| 47         |              | $oxed{J}$  | $\prod$  | Ι                       | $oxed{\Box}$ |           |   |          | -    |               | 97       | $\top$   | $\top$   | 7              | $\neg$       | 1            | 1            | 1         | $\top$  |      |            |          | 147        | +        | +        | +-                      | +                  | +-        | $\vdash$ | Н              | _            |
| 48         | П            | $\bot$   |  | $\perp$                 |              |           | $\Box$                                    |          |      |               | 98       |  |          |                |              | $\top$       | 1            | T         | 1       |      |            |          | 148        | +        | T        | T                       | $\top$             | $\vdash$  |          | H              | $\dashv$     |
| 49         | Ц            | $\perp$  |  | 1                       | $\perp$      | $\Box$    | $\bot$                                    |          | 4    |               | 99       | $\Box$   | floor    |                |              |              |              | 1         |         |      |            |          | 149        | 1        | 1        | $\top$                  | $\top$             | $\vdash$  | $\vdash$ | Н              | $\dashv$     |
| 50         | 1            |  |  | - 1                     | 1            | ı I       | _ I _                                     |          |      | -1            | 100      | T  | T        | T              | T            |              | T            | T         |         | 1    | Г          |          | 150        | -1-      | +        | +-                      | +                  | +-        | $\vdash$ | <del>-  </del> | -            |